

BUS POWERED WIRELESS TRANSMITTER
ABSTRACT OF THE DISCLOSURE

A process control system utilizes wireless transceivers to divorce the field devices from traditional wired network topologies. By providing field devices with wireless transceivers and shared wireless transceivers for adapting wired field devices, the field device network may be adapted to any number of network topologies without concern for additional wiring costs. Specifically, a power supply can be provided for each field device or for groups of field devices, as needed. Thus, the entire network can receive power from a single power bus, without expensive power filtering. In addition, the network can be a hybrid in which part of the information is transmitted and received over wired lines and part is transmitted and received over wireless communications.